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AMENDMENT

Claims as now Amended

4. (twice amended) Tissue factor protein [wherein wherein] amino acids are substituted as] selected from the group consisting of [those] tissue factor wherein a hydrophilic residue is substituted for a hydrophobic residue, tissue factor wherein a cysteine or proline is substituted with any other amino acid residue, tissue factor wherein a residue having an electropositive side chain is substituted for an electronegative residue, and tissue factor wherein a residue having a bulky side chain is substituted for one not having a side chain.

5. The tissue factor protein of claim 4 wherein the transmembrane domain is deleted.

6. (amended) The tissue factor protein of claim [3] 4 having the mature tissue factor protein amino acid sequence of Figure 2 in which [an] from one to ten amino [acid has] acids have been inserted, deleted or substituted.

8. (amended) The tissue factor protein of claim 6 wherein the amino acid residues [about] 221 to 241 are deleted.

20. (amended) A soluble isolated tissue factor [encoding] with the amino acid sequence shown in Figure 2 from amino acid one to less than amino acid 263.

21. The tissue factor of claim 20 which is not glycosylated.

22. (amended) The tissue factor of claim 20 consisting [essentially] of the amino acid residues of Figure 2 from residues one to 219.

23. (amended) The tissue factor of claim 20 having an amino acid sequence of Figure 2 from between [the first] amino acid one and between residues 220 and 263.

24. The tissue factor of claim 20 wherein the cysteine residues are substituted with other amino acids.

25. The tissue factor of claim 20 wherein the potential proteolysis sites are deleted by replacing the amino acids with glutaminyl or histidyl residues or deleting one of the basic residues.

26. The tissue factor of claim 20 having the sequence shown in Figure 2 between amino acid residues one and 219 and at least some of the region between amino acid residues 243 to 263.